

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A fuel feed apparatus disposed in a fuel tank comprising:
 - a sub tank included in the fuel tank;
 - a fuel pump, included in the sub tank, for sucking fuel in the sub tank so as to discharge the fuel sucked from the sub tank;
 - a jet pump having a jet nozzle for generating suction pressure by jetting fuel, the jet pump being for sucking fuel in the fuel tank by the suction pressure generated by the jet nozzle so as to supply the fuel sucked in the fuel tank to the sub tank, the jet nozzle being conductive; and
 - ~~a grounding terminal provided on a lateral side of the fuel pump, the grounding terminal being in the sub tank, the jet nozzle being grounded via the grounding terminal,~~
 - a case that surrounds the fuel pump,
wherein the case and the fuel pump is ~~are~~ substantially horizontally disposed in the sub tank,
the grounding terminal is provided on a lateral side of the case, and
the grounding terminal is located on a side of a bottom surface of the sub tank
with respect to a central axis of the case.
2. (Original) A fuel feed apparatus according to claim 1, wherein the jet nozzle and the sub tank are resinous and conductive.
3. (Original) A fuel feed apparatus according to claim 1, wherein the jet nozzle directly connects with the sub tank.

4. (Original) A fuel feed apparatus according to claim 1, wherein the jet nozzle is provided in a bottom area of the sub tank.

5. (Currently amended) A fuel feed apparatus according to claim 1, further comprising:

a fuel filter for removing debris contained in fuel discharged by the fuel pump,
the case surrounding the fuel filter; and

a pressure regulator for adjusting pressure of fuel flowing from the fuel filter while generating surplus fuel,

wherein the pressure regulator supplies the surplus fuel thereof toward the jet nozzle.

6. (Currently amended) A fuel feed apparatus according to claim 5, wherein the fuel filter is connected with the sub tank and ~~includes~~ the grounding terminal.

7. (Previously presented) A fuel feed apparatus according to claim 2, further comprising:

a fuel inlet pipe for supplying fuel to the fuel pump,

wherein the fuel inlet pipe is resinous and conductive and integrally formed with the sub tank.

8. (Currently amended) A fuel feed apparatus disposed in a fuel tank comprising:

a sub tank included in the fuel tank;

a fuel pump, included in the sub tank, for sucking fuel in the sub tank so as to discharge the fuel sucked from the sub tank;

a jet pump having a jet nozzle for generating suction pressure by jetting fuel, the jet pump being for sucking fuel in the fuel tank by the suction pressure generated by

the jet nozzle so as to supply the fuel sucked in the fuel tank to the sub tank, the sub tank being conductive, the jet nozzle being conductive and directly connected with the sub tank; and

~~a grounding terminal provided on a lateral side of the fuel pump, the grounding terminal being in the sub tank, at least one of the jet nozzle and the sub tank being grounded via the grounding terminal,~~

a case that surrounds the fuel pump,

wherein the case and the fuel pump is ~~are~~ substantially horizontally disposed in the sub tank,

the grounding terminal is provided on a lateral side of the case, and

the grounding terminal is located on a side of a bottom surface of the sub tank
with respect to a central axis of the case.

Claim 9. (Canceled).

10. (Withdrawn) A fuel feed apparatus according to claim 8, further comprising:
a mounting member mounted on the fuel tank; and
a joining member, wherein the joining member is conductive and connects the mounting member and the sub tank so as to be grounded via the sub tank.

11. (Withdrawn) A fuel feed apparatus according to claim 10, further comprising:

a forcing member provided around an outer periphery of the joining member,
wherein the forcing member applies force so as to space the sub tank from the mounting member.

12. (Withdrawn) A fuel feed apparatus according to claim 11, wherein the forcing member is conductive and grounded via the joining member and the sub tank.

13. (Previously presented) A fuel feed apparatus disposed in a fuel tank comprising:

a sub tank included in the fuel tank;

a fuel pump, included in the sub tank, for sucking fuel in the sub tank so as to discharge the fuel sucked from the sub tank;

a jet pump having a jet nozzle for generating suction pressure by jetting fuel, the jet pump being for sucking fuel in the fuel tank by the suction pressure generated by the jet nozzle so as to supply the fuel sucked in the fuel tank to the sub tank, the sub tank being conductive and grounded, the jet nozzle being conductive and directly connected with the sub tank so as to be grounded;

a mounting member mounted on the fuel tank;

a supporting member having conductivity connected with the sub tank; and

a joining member, for connecting the mounting member and the supporting member, having conductivity and grounded via the supporting member and the sub tank.

14. (Previously presented) A fuel feed apparatus according to claim 13, further comprising:

a forcing member provided around an outer periphery of the joining member,

wherein the forcing member applies force so as to space the supporting member from the mounting member.

15. (Original) A fuel feed apparatus according to claim 14, wherein the forcing member is conductive and grounded via the joining member, supporting member and the sub tank.

16. (Currently amended) A fuel feed apparatus disposed in a fuel tank having conductivity and grounded comprising:

a sub tank included in the fuel tank;

a fuel pump, included in the sub tank, for sucking fuel in the sub tank so as to discharge the fuel sucked from the sub tank;

a jet pump having a jet nozzle for generating suction pressure by jetting fuel, the jet pump being for sucking fuel in the fuel tank by the suction pressure generated by the jet nozzle so as to supply the fuel sucked in the fuel tank to the sub tank, the sub tank having conductivity, the jet nozzle being conductive and directly connected with the sub tank; and

~~a grounding terminal provided on a lateral side of the fuel pump, the grounding terminal being in the sub tank, at least one of the jet nozzle and the sub tank being grounded via at least one of the grounding terminal and the fuel tank,~~

a case that surrounds the fuel pump,

wherein the case and the fuel pump is-are substantially horizontally disposed in the sub tank,

the grounding terminal is provided on a lateral side of the case, and

the grounding terminal is located on a side of a bottom surface of the sub tank with respect to a central axis of the case.

17. (Currently amended) A fuel feed apparatus disposed in a fuel tank having conductivity and grounded comprising:

a sub tank included in the fuel tank;

a fuel pump, included in the sub tank, for sucking fuel in the sub tank so as to discharge the fuel sucked from the sub tank;

a jet pump having a jet nozzle for generating suction pressure by jetting fuel, the jet pump being for sucking fuel in the fuel tank by the suction pressure generated by the jet nozzle so as to supply the fuel sucked in the fuel tank to the sub tank, the jet nozzle being conductive and contacting the fuel tank; and

~~a grounding terminal provided on a lateral side of the fuel pump, the grounding terminal being in the sub tank, the jet nozzle being grounded via the fuel tank,~~

a case that surrounds the fuel pump,

wherein the case and the fuel pump is-are substantially horizontally disposed in the sub tank,

the grounding terminal is provided on a lateral side of the case, and
the grounding terminal is located on a side of a bottom surface of the sub tank
with respect to a central axis of the case.

18. (Currently amended) A fuel feed apparatus according to claim 1, further comprising:

a fuel filter that surrounds the fuel pump, the case surrounding the fuel filter, the fuel filter being substantially horizontally disposed,

wherein at least one of the jet nozzle and the fuel filter is grounded via the grounding terminal.

19. (Previously presented) A fuel feed apparatus according to claim 18, further comprising:

a suction filter that is substantially horizontally disposed and spaced from the fuel filter in a substantially vertical direction,

wherein the grounding terminal is arranged in a bottom area of the sub tank, and

the grounding terminal is remote from a space between a central axis of the fuel filter and the suction filter in a vertical direction.

20. (Currently amended) A fuel feed apparatus according to claim 8, further comprising:

a fuel filter that surrounds the fuel pump, the case surrounding the fuel filter, the fuel filter being substantially horizontally disposed,

wherein at least one of the jet nozzle, the fuel filter, and the sub tank is grounded via the grounding terminal.

21. (Previously presented) A fuel feed apparatus according to claim 20, further comprising:

a suction filter that is substantially horizontally disposed and spaced from the fuel filter in a substantially vertical direction,

wherein the grounding terminal is arranged in a bottom area of the sub tank, and

the grounding terminal is away from a space between a central axis of the fuel filter and the suction filter in a vertical direction.

22. (Currently amended) A fuel feed apparatus ~~according to claim 8, further disposed in a fuel tank~~ comprising:

a sub tank included in the fuel tank;

a fuel pump, included in the sub tank, for sucking fuel in the sub tank so as to discharge the fuel sucked from the sub tank;

a jet pump having a jet nozzle for generating suction pressure by jetting fuel, the jet pump being for sucking fuel in the fuel tank by the suction pressure generated by the jet nozzle so as to supply the fuel sucked in the fuel tank to the sub tank, the sub tank being conductive, the jet nozzle being conductive and directly connected with the sub tank; and

a grounding terminal provided on a lateral side of the fuel pump, the grounding terminal being in the sub tank, at least one of the jet nozzle and the sub tank being grounded via the grounding terminal,

wherein the fuel pump is substantially horizontally disposed in the sub tank, the fuel feed apparatus further comprising:

a mounting member mounted on the fuel tank;

a supporting member having conductivity connected with the sub tank; and

a joining member, for connecting the mounting member and the supporting member, having conductivity and grounded via the supporting member and the sub tank.

23. (Previously presented) A fuel feed apparatus according to claim 22, wherein at least one of the supporting member and the joining member is grounded via the grounding terminal.

24. (Previously presented) A fuel feed apparatus according to claim 22, further comprising:

a forcing member provided around an outer periphery of the joining member, wherein the forcing member applies force so as to space the supporting member from the mounting member.

25. (Previously presented) A fuel feed apparatus according to claim 24, wherein the forcing member is conductive and grounded via the joining member, supporting member and the sub tank.

26. (Previously presented) A fuel feed apparatus according to claim 25, wherein at least one of the supporting member, the joining member, and the forcing member is grounded via the grounding terminal.

27. (Currently amended) A fuel feed apparatus according to claim 16, further comprising:

a fuel filter that surrounds the fuel pump, the case surrounding the fuel filter, the fuel filter being substantially horizontally disposed,

wherein at least one of the jet nozzle, the fuel filter, and the sub tank is grounded via at least one of the grounding terminal and the fuel tank.

28. (Previously presented) A fuel feed apparatus according to claim 27, further comprising:

a suction filter that is substantially horizontally disposed and spaced from the fuel filter in a substantially vertical direction,

wherein the grounding terminal is arranged in a bottom area of the sub tank, and

the grounding terminal is away from a space between a central axis of the fuel filter and the suction filter in a vertical direction.

29. (Currently amended) A fuel feed apparatus according to claim 17, further comprising:

a fuel filter that surrounds the fuel pump, the case surrounding the fuel filter, the fuel filter being substantially horizontally disposed,

wherein at least one of the jet nozzle and the fuel filter is grounded via at least one of the grounding terminal and the fuel tank.

30. (Previously presented) A fuel feed apparatus according to claim 29, further comprising:

a suction filter that is substantially horizontally disposed and spaced from the fuel filter in a substantially vertical direction,

wherein the grounding terminal is arranged in a bottom area of the sub tank, and

the grounding terminal is away from a space between a central axis of the fuel filter and the suction filter in a vertical direction.

31. (New) A fuel feed apparatus according to claim 1, wherein the case is substantially cylindrical, and the case is resinous.

32. (New) A fuel feed apparatus according to claim 8, wherein the case is substantially cylindrical, and the case is resinous.

33. (New) A fuel feed apparatus according to claim 16, wherein the case is substantially cylindrical, and the case is resinous.

34. (New) A fuel feed apparatus according to claim 17, wherein the case is substantially cylindrical, and the case is resinous.

35. (New) A fuel feed apparatus disposed in a fuel tank comprising:
a sub tank included in the fuel tank;
a fuel pump, included in the sub tank, for sucking fuel in the sub tank so as to discharge the fuel sucked from the sub tank;
a jet pump having a jet nozzle for generating suction pressure by jetting fuel, the jet pump being for sucking fuel in the fuel tank by the suction pressure generated by the jet nozzle so as to supply the fuel sucked in the fuel tank to the sub tank, the jet nozzle being conductive; and
a grounding terminal in the sub tank, the jet nozzle being grounded via the grounding terminal,
a case that surrounds the fuel pump,
wherein the case and the fuel pump are substantially horizontally disposed in the sub tank,
the grounding terminal is provided in the case, and
the grounding terminal is located on a side of a bottom surface of the sub tank with respect to a central axis of the case.

36. (New) A fuel feed apparatus disposed in a fuel tank comprising:
a sub tank included in the fuel tank;
a fuel pump, included in the sub tank, for sucking fuel in the sub tank so as to discharge the fuel sucked from the sub tank;
a jet pump having a jet nozzle for generating suction pressure by jetting fuel, the jet pump being for sucking fuel in the fuel tank by the suction pressure generated by

the jet nozzle so as to supply the fuel sucked in the fuel tank to the sub tank, the sub tank being conductive, the jet nozzle being conductive and directly connected with the sub tank; and

 a grounding terminal in the sub tank, at least one of the jet nozzle and the sub tank being grounded via the grounding terminal,

 a case that surrounds the fuel pump,

 wherein the case and the fuel pump are substantially horizontally disposed in the sub tank,

 the grounding terminal is provided in the case, and

 the grounding terminal is located on a side of a bottom surface of the sub tank with respect to a central axis of the case.

37. (New) A fuel feed apparatus disposed in a fuel tank having conductivity and grounded comprising:

 a sub tank included in the fuel tank;

 a fuel pump, included in the sub tank, for sucking fuel in the sub tank so as to discharge the fuel sucked from the sub tank;

 a jet pump having a jet nozzle for generating suction pressure by jetting fuel, the jet pump being for sucking fuel in the fuel tank by the suction pressure generated by the jet nozzle so as to supply the fuel sucked in the fuel tank to the sub tank, the sub tank having conductivity, the jet nozzle being conductive and directly connected with the sub tank; and

 a grounding terminal in the sub tank, at least one of the jet nozzle and the sub tank being grounded via at least one of the grounding terminal and the fuel tank,

 a case that surrounds the fuel pump,

 wherein the case and the fuel pump are substantially horizontally disposed in the sub tank,

 the grounding terminal is provided in the case, and

the grounding terminal is located on a side of a bottom surface of the sub tank with respect to a central axis of the case.

38. (New) A fuel feed apparatus disposed in a fuel tank having conductivity and grounded comprising:

a sub tank included in the fuel tank;

a fuel pump, included in the sub tank, for sucking fuel in the sub tank so as to discharge the fuel sucked from the sub tank;

a jet pump having a jet nozzle for generating suction pressure by jetting fuel, the jet pump being for sucking fuel in the fuel tank by the suction pressure generated by the jet nozzle so as to supply the fuel sucked in the fuel tank to the sub tank, the jet nozzle being conductive and contacting the fuel tank; and

a grounding terminal in the sub tank, the jet nozzle being grounded via the fuel tank,

a case that surrounds the fuel pump,

wherein the case and the fuel pump are substantially horizontally disposed in the sub tank,

the grounding terminal is provided in the case, and

the grounding terminal is located on a side of a bottom surface of the sub tank with respect to a central axis of the case.